	Application No.	Applicant(s)	
Notice of Allowability	10/530,171	HIRAKAWA ET AL.	
	Examiner	Art Unit	
	LYNN BRISTOL	1643	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is and MPEP 1308.	in this application. If not included nunication will be mailed in due course.	
1. This communication is responsive to the Response of 11/2	<u>18/09</u> .		
2. X The allowed claim(s) is/are 1.			
 Acknowledgment is made of a claim for foreign priority unas a) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Hornational Bureau (PCT Rule 17.2(a)). 	e been received. e been received in Applicat	ion No	n the
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE"		e a reply complying with the requireme	nts
noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	/IEN FOR this application.		
 4. A SUBSTITUTE OATH OR DECLARATION must be submined in the subm	es reason(s) why the oath		OF
(a) ☐ including changes required by the Notice of Draftspers		w (PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	=	m (1 10 010) allagrica	
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	s Amendment / Comment	the drawings in the front (not the back) o	f
DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MA	ERIAL must be submitted. Note the	•
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)		nformal Patent Application	
 Notice of Draftperson's Patent Drawing Review (PTO-948) MInformation Disclosure Statements (PTO/SB/08), 	Paper No	Summary (PTO-413), ./Mail Date <u>2/9/10</u> . s Amendment/Comment	
Paper No./Mail Date <u>8/3/09</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material		s Statement of Reasons for Allowance	
	/Lynn Bristol/ Primary Exam		

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DETAILED ACTION

1. Claims 1, 12-35 and 42 are all the pending claims for this application.

- 2. Claim 1 was amended in the Response of 11/18/09.
- 3. Claims 12-35 and 42 are cancelled as set forth below.
- 4. Claim 1 is the pending claim under examination.

Information Disclosure Statement

5. The IDS of 8/3/09 has been considered and entered. The initialed and signed 1449 form is attached.

Withdrawal of Objections

Specification

6. The objection to the title of the invention as being non-descriptive is withdrawn.

The tile has been amended in the Response of 11/18/09 as follows "nmMHCA polypeptides"

Withdrawal of Rejections

Claim Rejections - 35 USC § 112, first paragraph

Written Description

7. The rejection of Claim 1 under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement is withdrawn.

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Applicants have amended Claim 1 to recite the three antigenic and isolated peptides for nmMHCA disclosed in the specification on pp. 23-24.

Claim Rejections - 35 USC § 103

8. The rejection of Claim 1 under 35 U.S.C. 103(a) as being unpatentable over Toothaker et al. (Blood 78(7):1826- 1833 (1991)) and Kelley et al. (Nat. Genet. 26:106-108 (2000)) is withdrawn.

Applicants have amended Claim 1 to recite the three antigenic and isolated peptides for nmMHCA disclosed in the specification on pp. 23-24. Neither of Toothaker and Kelley alone or in combination teaches the peptides.

EXAMINER'S AMENDMENT

9. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. John Kilyk on 2/9/10. The application has been amended as follows:

Claim 1 (Currently Amended) An isolated polypeptide peptide consisting of the amino acid sequence of SEQ ID NO: 20, 21, or 22.

Claim 12-35 and 42. Cancelled.

Examiner's Statement of Reasons for Allowance

10. The following is an examiner's statement of reasons for allowance: the isolated peptides of SEQ ID NOS: 20, 21 and 22 are novel and non-obvious and are shown to be antigenic for raising antibodies in vivo.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 11. Claim 1 is allowed.
- 12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lynn Bristol whose telephone number is 571-272-6883. The examiner can normally be reached on 8:00-4:00, Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Larry Helms can be reached on 571-272-0832. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Lynn A. Bristol/ Primary Examiner, Art Unit 1643